sunflower oil, canola oil, rapeseed oil, fungal oils and lard and mixtures thereof.

13. The low viscosity liquid nutritional according to claim **2** wherein said source of amino nitrogen is at a concentration of 13 to 20 g per liter; said carbohydrate is at a concentration of 70 to 100 gms/liter; said blend of dietary fibers is at a concentration of 7 to 12 gms per liter; said blend of dietary fibers is a mixture of hydrolyzed carboxymethylcellulose, oat hull fiber and gum arabic wherein the weight percent of soluble fiber can range from 25 to 35% of total dietary fiber and the weight percent of soluble fiber that is hydrolyzed carboxymethylcellulose can range from 20 to 40 or 60 to 80.

14. A method of treating humans with a malady selected from the group consisting of colic, diarrhea, short gut syndrome, impaired bowel function, Chron's disease, gastrointestinal intolerance and malabsorption, said method comprises the enteral administration to said human in need of treatment a low viscosity liquid nutritional formula, said formula comprising:

   (a) a source of amino nitrogen selected from hydrolyzed protein, amino acids and mixtures thereof; and

   (b) a total dietary fiber blend, said fiber blend being of a concentration between 3 and 15 gms per liter of formula, wherein said fiber blend comprises soluble/non-fermentable fiber and at least one fiber selected from insoluble/non-fermentable, soluble/fermental fibers and mixtures thereof; and wherein the concentration of total dietary fiber in g/l is (T), the percent of total dietary fiber that is soluble can range from 10 to 40 by weight is (S) and the weight percent of soluble fiber that is said soluble/non-fermentable fiber can range from 20 to 80 is (C); the resultant to the equation:

   $8.473-0.39167 \times T-0.37357 \times S+0.08099 \times C+0.01167 \times T \times S+0.00139 \times C \times S-0.00119 \times C^2+0.00302 \times S^2$ must be equal to or less than 3.0.

15. The method of treating humans according to claim **14** wherein the formula additionally comprises fat, carbohydrates, vitamins, and minerals.

16. The method of treating humans according to claim **15** wherein said source of amino nitrogen being of a concentration of between 10 and 70 gms per liter of formula; said fat being of a concentration of between 20 and 45 gms per liter of formula; and said carbohydrates, including those from dietary fiber being of a concentration of between 60 and 190 grams per liter of formula.

17. The method of treating humans according to claim **14** wherein said source of amino nitrogen is selected from the group consisting of free amino acids, hydrolyzed soy protein, hydrolyzed caseinates, hydrolyzed whey and mixtures thereof.

18. The method of treating humans according to claim **14** wherein said fiber blend is a mixture of hydrolyzed carboxymethylcellulose and at least one fiber selected from the group of oat hull fiber, gum arabic, guar gum, citrus pectin, low methoxy pectin, high methoxy pectin, barley glucans,

oat glucans, pea hull fiber, soy hull fiber, soy cotyledon fiber, beet fiber and corn bran.

19. The method of treating humans according to claim **18** wherein said fiber blend is a mixture of hydrolyzed carboxymethylcellulose, oat hull fiber and gum arabic.

20. The method of treating humans according to claim **15** wherein the fat is selected from the group consisting of soy oil, coconut oil, fractions of coconut oil, corn oil, high oleic safflower oil, peanut oil, palm olein oil, olive oil, marine oil, egg yolk oil, high oleic sunflower oil, canola oil, rapeseed oil, fungal oils and lard and mixtures thereof.

21. A method for the production of an enteral formula containing dietary fiber and a source of amino nitrogen and possessing improved physical stability; said method comprises:

   (a) selecting a total dietary fiber blend (T) consisting of a soluble/non-fermentable component and at least one fiber selected from insoluble/non-fermentable, soluble/fermentable fibers and mixtures thereof, such that the weight percent of total dietary fiber that is soluble fiber (S) is in the range of 10 to 40 and the weight percent of soluble fiber (S) that is soluble/non-fermentable (C) is within the range of 20 to 80 and wherein the values of T, S and C defined above, when placed in the equation:

   $8.473-0.39167 \times T-0.37357 \times S+0.08099 \times C+0.01167 \times T \times S+0.00139 \times C \times S-0.00119 \times C^2+0.00302 \times S^2$ provide a resultant number that is 3.0 or less; and

   (b) combining said total dietary fiber blend (T) at a concentration of 3 to 15 g/L with a source of fat, a source of carbohydrate and a source of amino nitrogen selected from the group consisting of hydrolyzed proteins, amino acids and mixtures thereof.

22. The method according to claim **21** wherein the TDF blend is a mixture of hydrolyzed carboxymethylcellulose and at least one fiber selected from the group of oat hull fiber, gum arabic, guar gum, citrus pectin, low methoxy pectin, high methoxy pectin, barley glucans, oat glucans, pea hull fiber, soy hull fiber, soy cotyledon fiber, beet fiber and corn bran.

23. The method according to claim **22** wherein the TDF blend is a mixture of hydrolyzed carboxymethylcellulose, oat hull fiber and gum arabic.

24. A powder nutritional formulated such that upon reconstitution with a specified amount of liquid, it produces a liquid nutritional formula according to claim **1**.

25. The low viscosity liquid nutritional according to claim **1** wherein said nutritional is an infant formula.

26. The method according to claim **14** wherein said liquid nutritional formula is an infant formula.

27. The a low viscosity liquid nutritional formula according to claim **1** wherein said soluble/non-fermentable fiber has a viscosity of 0.2 to 3.5 Pa.s as a 2% wt./wt. aqueous solution.

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